

CPC**COOPERATIVE PATENT CLASSIFICATION****B61G****COUPLINGS****DRAUGHT AND BUFFING APPLIANCES** ([vehicle connections in general B60D](#)
)**Guide heading:****Couplings peculiar to railway vehicles****B61G 1/00****Couplings comprising interengaging parts of different shape or form and having links, bars, pins, shackles, or hooks as coupling means****B61G 1/02**

- . having links or bars coupling or uncoupling by rotating around a transverse horizontal axis

B61G 1/04

- .. Operating devices therefor ([B61G 1/08 takes precedence](#))

B61G 1/06

- .. and coupling when the coupling halves are pushed together

B61G 1/08

- ... Control devices therefor

B61G 1/10

- . having links or bars coupling or uncoupling by rotating around a vertical axis

B61G 1/12

- .. Operating devices therefor ([B61G 1/16 takes precedence](#))

B61G 1/14

- .. and coupling when the coupling halves are pushed together

B61G 1/16

- ... Control devices therefor

B61G 1/18

- . having links or bars coupling or uncoupling by rotating axially

B61G 1/183

- .. {and coupling when the coupling halves are pushed together }

B61G 1/186

- ... {Control devices therefor }

B61G 1/20

- .. Operating devices therefor {[B61G 1/186 takes precedence](#) }

B61G 1/22

- . having screws incorporated in the links for lengthening or shortening the couplings

B61G 1/24

- .. Operating devices therefor ([B61G 1/26 takes precedence](#))

B61G 1/26

- .. and coupling when the coupling halves and pushed together
Control devices therefor

B61G 1/265

- ... {Control devices therefor }

B61G 1/28

- . with vertical bolt or pin

B61G 1/283

- .. {and coupling when the coupling halves are pushed together }

B61G 1/286

- ... {Control devices therefor }

B61G 1/30

- .. Operating devices therefor {[B61G 1/286 takes precedence](#) }

B61G 1/32

- . with horizontal bolt or pin

B61G 1/323

- .. {and coupling when the coupling halves are pushed together }

B61G 1/326

- ... {Control devices therefor }

B61G 1/34

- .. Operating devices therefor {[B61G 1/326 takes precedence](#) }

B61G 1/36

- . with shackles and hooks, e.g. specially adapted for mine cars

- B61G 1/38 . . . rotatable about line of traction, e.g. for cars which are tiltable when coupled
- B61G 1/40 . . with coupling bars having an enlarged or recessed end which slips into the opposite coupling part and is gripped thereby, e.g. arrow-head type
with coupling parts having a tong-like gripping action
- B61G 1/42 . . . Operating devices therefor
- B61G 3/00 **Couplings comprising mating parts of similar shape or form which can be coupled without the use of any additional element or elements****
- B61G 3/02 . . with interengaging movably-mounted hooks or links guided into alignment by a gathering device, e.g. "Dowty" type
- B61G 3/04 . . with coupling head having a guard arm on one side and a knuckle with angularly-disposed nose and tail portions pivoted to the other side thereof, the nose of the knuckle being the coupling part, and means to lock the knuckle in coupling position, e.g. "A.A.R." or "Janney" type
- B61G 3/06 . . . Knuckle-locking devices
- B61G 3/08 . . . Control devices, e.g. for uncoupling
- B61G 3/10 . . with coupling heads in the form of hook-like interengaging rigid jaws, e.g. "Willison" type
- B61G 3/12 . . . Jaw-locking devices
- B61G 3/14 . . . Control devices, e.g. for uncoupling
- B61G 3/16 . . with coupling heads rigidly connected by rotatable hook plates or discs and balancing links, the coupling members forming a parallelogram, e.g. "Scharfenberg" type
- B61G 3/18 . . . Locking devices
- B61G 3/20 . . . Control devices, e.g. for uncoupling
- B61G 3/22 . . with coupling heads rigidly connected by locks consisting of pivoted latches
- B61G 3/24 . . . Latch-locking devices
- B61G 3/26 . . . Control devices, e.g. for uncoupling
- B61G 3/28 . . with coupling heads rigidly connected by locks consisting of slidable pins
- B61G 3/30 . . with coupling heads rigidly connected by pins having locking noses which are brought into locking position by rotating the pins
- B61G 5/00 **Couplings for special purposes not otherwise provided for****
- B61G 5/02 . . for coupling articulated trains, locomotives and tenders or the bogies of a vehicle
Coupling by means of a single coupling bar
Couplings preventing or limiting relative lateral movement of vehicles
- B61G 5/04 . . for matching couplings of different types, i.e. transitional couplings
- B61G 5/06 . . for, or combined with, couplings or connectors for fluid conduits or electric cables
- B61G 5/08 . . . for fluid conduits

B61G 5/10 . . . for electric cables

B61G 7/00 Details or accessories

B61G 7/02 . Hand tools for coupling or uncoupling

B61G 7/04 . Coupling or uncoupling by means of track-side apparatus

B61G 7/06 . Coupling heads constructed to facilitate alignment

B61G 7/08 . Adjustable coupling heads

B61G 7/10 . Mounting of the couplings on the vehicle

B61G 7/12 . . Adjustable coupling bars, e.g. for centralisation purposes

B61G 7/14 . Safety devices

Guide heading: Draught or buffing appliances peculiar to railway or tramway vehicles

B61G 9/00 Draw-gear

B61G 9/02 . Draw-gear and non-integral buffing appliances with combined action or acting on the same spring

B61G 9/025 . . {with only metal springs }

B61G 9/04 . Draw-gear combined with buffing appliances ([continuous B61G 9/12](#))

B61G 9/045 . . {with only metal springs }

B61G 9/06 . . with rubber springs

B61G 9/08 . . with fluid springs or fluid shock-absorbers
Combinations thereof

B61G 9/10 . . with separate mechanical friction shock-absorbers

B61G 9/12 . Continuous draw-gear combined with buffing appliances, e.g. incorporated in a centre sill

B61G 9/125 . . {with only metal springs }

B61G 9/14 . . with rubber springs

B61G 9/16 . . with fluid springs or fluid shock-absorbers
Combinations thereof

B61G 9/18 . . with separate mechanical friction shock-absorbers

B61G 9/20 . Details
Accessories

B61G 9/22 . . Supporting framework, e.g. cradles
Spring housings

B61G 9/24 . . Linkages between draw-bar and framework ([adjustable coupling bars B61G 7/12](#))

B61G 11/00 **Buffers** ([springs F16F](#))

- B61G 11/02 . with metal springs
- B61G 11/04 . . with helical springs
- B61G 11/06 . . . arranged to damp each other by mutual friction

- B61G 11/08 . with rubber springs

- B61G 11/10 . with combined rubber and metal springs

- B61G 11/12 . with fluid springs or shock-absorbers
 Combinations thereof

- B61G 11/14 . absorbing shocks by mechanical friction action
 Combinations of mechanical shock-absorbers and springs ([B61G 11/06 takes precedence](#))

- B61G 11/16 . absorbing shocks by permanent deformation of buffer element

- B61G 11/18 . Details